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APPLICATION NO. FILING DATE		FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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1940 DUKE S ALEXANDR	STREET IA, VA 22314	GONZALEZ, JULIO C		
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		DATE MAILED: 09/30/2003		

Please find below and/or attached an Office communication concerning this application or proceeding.

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE £ MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. Edeations of them may be available under the provisions of 3°CPR 1.136(a). In or event, however, may a reply be timely field Edeations of them may be available under the provisions of 3°CPR 1.136(a). In or event, however, may a reply be timely field If the period for reply seponded above, the maximum statutory provise value by early adult or provision for reply support of reply seponded of reply seponded on the maining date of this communication, reven if the provided provision is the state of a retarded part of the reply will, by statute, cause the application to become ARADORIED (38 U.S.C. § 133). Status 1) Responsive to communication(s) filled on 2a) This action is FINAL. 2b) This action is reply in the provision of Claims 4) Claim(s) 1-84 is/are pending in the application. 4a) Of the above claim(s) is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) 1-84 is/are pending in the application. 4a) Of the above claim(s) is/are allowed. 6b) Claim(s) is/are allowed. 6c) Claim(s) is/are allowed. 6c) Claim(s) is/are objected to. 8) Claim(s) is/are subject to restriction and/or election requirement. Application Papers 9) The specification is objected to by the Examiner. Application Papers 9) The proposed drawing correction filed on is/are: al] accepted or bj objected to by the Examiner. 10) The drawing(s) filed on is/are: al] accepted or bj objected to by the Examiner. 11 proposed drawing correction filed on is/are: al] approved by disapproved by the Examiner. 12 The proposed drawing correction filed on is/are: al] approved by the Examiner. 13 The proposed drawing correction filed on is/are: al] approved by the Examiner. 14 Decamber of the provision of the priority documents have been re			Application No. Applicant(s)						
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· 一	Attachment(s)								
	2) Notic	e of Draftsperson's Patent Drawing Review (PTO-948)		5) Notice of Informal P					

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DETAILED ACTION

Election/Restrictions

- Restriction to one of the following inventions is required under 35 U.S.C.
 121:
 - I. Claims 1-7, 8-14 and 22-28, drawn to method of controlling a generator system, classified in class 290, subclass 52.
 - II. Claims 15-21, drawn to method of coding a computer program, classified in class 702, subclass 57.
 - III. Claims 29-34, 35-40 and 47-52, drawn to a generator system, classified in class 290, subclass 5.
 - IV. Claims 41-46, drawn to computer program for a generator, classified in class 700, subclass 1.
 - V. Claims 53-60, 61-68 and 77-84, drawn to a method and generator system using bandwidths, classified in class 322, subclass 44.
 - VI. Claims 69-76, drawn to a computer program controller for a generator, classified in class 700, subclass 90.

The inventions are distinct, each from the other because of the following reasons:

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2. Inventions I and III are related as subcombinations disclosed as usable together in a single combination. The subcombinations are distinct from each other if they are shown to be separately usable. In the instant case, invention III has separate utility such as using a generator system wherein a first phase locked loop having a first bandwidth is used for configuring a phase angle. Also, using a second locked loop bandwidth to estimate a second angle and measuring the phase shift between the angles. See MPEP § 806.05(d).

3. Inventions I and V are related as subcombinations disclosed as usable together in a single combination. The subcombinations are distinct from each other if they are shown to be separately usable. In the instant case, invention V has separate utility such as using a first and second bandwidth wherein the second bandwidth is greater than the first bandwidth, calculating a frequency difference between the first and second estimated frequencies, adding the estimated second phase angle and the calculated angle variation so as to form an output current phase angle difference. See MPEP § 806.05(d).

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- 4. Inventions II and IV are related as subcombinations disclosed as usable together in a single combination. The subcombinations are distinct from each other if they are shown to be separately usable. In the instant case, invention IV has separate utility such as programming a code having six computer codes instead of four (Invention I), wherein a code is use for configuring a calculated phase shift between a first and second phase angle and coding another different program for estimating a first and second angle. See MPEP § 806.05(d).
- 5. Inventions II and VI are related as subcombinations disclosed as usable together in a single combination. The subcombinations are distinct from each other if they are shown to be separately usable. In the instant case, invention VI has separate utility such as making a computer program having eight different computer codes instead of four computer codes (Invention I), having computer code for calculating a frequency difference between the first and second frequency difference and writing a difference code for calculating an angle variation that is proportional to the calculated frequency difference. See MPEP § 806.05(d).
- 6. Because these inventions are distinct for the reasons given above and have acquired a separate status in the art as shown by their different classification, restriction for examination purposes as indicated is proper and because these inventions are distinct for the reasons given above and have acquired a separate

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status in the art because of their recognized divergent subject matter, restriction for examination purposes as indicated is proper.

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Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Julio C. Gonzalez whose telephone number is (703) 305-1563. The examiner can normally be reached on M-F (8AM-5PM).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nestor Ramirez can be reached on (703) 308-1371. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0956.

PRIMARY EXAMINER

Jcg